RO 30

kV dependent max mA values for exposure times ≤ 100ms in combination with Optimus 50/65/80kW

kV	SF [µA]	LF [µA]	kV	SF [µA]	LF [µA]	kV	SF [µA]	LF [µA]	kV	SF [µA]	LF [µA]
40		380000	70		428571	**100**		**300000**	130		230769
41		390000	71		422535	101		297029	131		229007
42		400000	72		416666	102		294117	132		227272
43		410000	73		410958	103		291262	133		225563
44		420000	74		405405	104		288461	134		223880
45		430000	75		400000	105		285714	135		222222
46		438000	76		394736	106		283018	136		220588
47		446000	77		389610	107		280373	137		218978
48		454000	78		384615	108		277777	138		217391
49		462000	79		379746	109		275229	139		215827
50		470000	80		375000	110		272727	140		214285
51		477000	81		370370	111		270270	141		212765
52		484000	82		365853	112		267857	142		211267
53		491000	83		361445	113		265486	143		209790
54		498000	84		357142	114		263157	144		208333
55		505000	85		352941	115		260869	145		206896
56		509080	86		348837	116		258620	146		205479
57		513160	87		344827	117		256410	147		204081
58		517241	88		340909	118		254237	148		202702
59		508474	89		337078	119		252100	149		201342
60		500000	90		333333	120		250000	150		200000
61		491803	91		329670	121		247933			
		483870	92		326086	122		245901			
		476190	93		322580	123		243902			
		468750	94		319148	124		241935			
		461538	95		315789	125		240000			
		454545	96		312500	126		238095			
		447761	97		309278	127		236220			
		441176	98		306122	128		234375			
		434782	99		303030	129		232558			

These are the default values of the tube data file TUBE_R2.TDL or TUBE_R3.TDL.
Typically there are no changes after adaptation except there are reductions due to the max generator power (Optimus 50kW = 650mA max) or if the filament does not have its full emission anymore (e.g. from shorted filament loops).
The red marked emission current value (at 58kV LF) are the max emission currents at a kV value from which on the filament current can be reduced to achieve its max load performance.